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Amendments to the Claims

Claims 1-421 (Cancelled)

- 422. (Currently Amended) An oligonucleotide for determining the presence of a nucleic acid analyte in a sample comprising: a first and second base region regions having at least one ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety; and a second base region, wherein the first and second base regions hybridize capable of hybridizing to each other under nucleic acid assay conditions to form a hybrid containing at least one ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety, wherein the hybrid is more stable than a hybrid formed between unmodified forms of the first and second base regions, and wherein the oligonucleotide forms a hybrid with the nucleic acid analyte but not with a non-targeted nucleic acid under nucleic acid assay conditions, such that the nucleic acid analyte can be detected.
- 423. (Currently Amended) The oligonucleotide of claim 422, wherein that portion of the first base region capable of forming a hybrid with the second base region under nucleic acid assay conditions includes a cluster of at least about 4 ribonucleotides modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.
- 424. (Currently Amended) The oligonucleotide of claim 422, wherein that portion of the first base region capable of forming a hybrid with the second base region under nucleic acid assay conditions includes at least one nucleotide which is not a ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.

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- 425. (Currently Amended) The oligonucleotide of claim 422, wherein each nucleotide of that portion of the first base region capable of forming a hybrid with the second base region under nucleic acid assay conditions is a ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.
- 426. (Previously Added) The oligonucleotide of claim 422, wherein each nucleotide of the oligonucleotide is a ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.
- 427. (Previously Added) The oligonucleotide of claim 422, wherein the oligonucleotide includes a conjugate molecule.
- 428. (Previously Added) The oligonucleotide of claim 423, wherein the oligonucleotide includes a conjugate molecule joined to the oligonucleotide at a site located within the cluster of the first base region.
- 429. (Currently Amended) The oligonucleotide of claim 422, wherein the oligonucleotide is up to about between 10 and 100 bases in length.
- 430. (Previously Added) The oligonucleotide of claim 422, wherein the oligonucleotide includes a reporter group.
- 431. (Previously Added) The oligonucleotide of claim 430, wherein the reporter group comprises a fluorescent molecule.
- 432. (Previously Added) The oligonucleotide of claim 422, wherein the nucleic acid analyte comprises RNA.

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- 433. (Previously Added) The oligonucleotide of claim 432, wherein the nucleic acid analyte comprises ribosomal RNA.
- 434. (Previously Added) The oligonucleotide of claim 422, wherein the oligonucleotide is a hybridization assay probe which forms a detectable hybrid with the nucleic acid analyte.
- 435. (Previously Added) The oligonucleotide of claim 422, wherein the oligonucleotide is an amplification primer for use in an amplification procedure.
- 436. (Previously Added) The oligonucleotide of claim 435, wherein the amplification procedure is a polymerase chain reaction method of amplification.
- 437. (Previously Added) The oligonucleotide of claim 435, wherein the amplification procedure is a transcription-based method of amplification.
- 438. (Previously Added) The oligonucleotide of claim 422, wherein the oligonucleotide is a target capture oligonucleotide.
- 439. (Previously Added) The oligonucleoride of claim 438, wherein the target capture oligonucleoride is immobilized by a solid support.
- 440. (Previously Added) The oligonucleotide of claim 422, wherein the 2'-O-alkyl substitution to the ribofuranosyl moiety is a 2'-O-methyl substitution.
- 441. (Currently Amended) A method for determining the presence of a nucleic acid analyte in a sample, the method comprising the steps of:

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- a) providing to the sample an the oligonucleotide of claim 422; comprising:

 i) a first base region having at least one ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety; and
- ii) a second base region, wherein the first and second base regions hybridize to each other under nucleic acid assay conditions to form a hybrid more stable than a hybrid formed between unmodified forms of the first and second base regions, and wherein the oligonucleotide forms a hybrid with the nucleic acid analyte but not with a non-targeted nucleic acid in the sample under nucleic acid assay conditions, such that the nucleic acid analyte can be detected;
- b) incubating the sample under conditions such that the oligonucleotide hybridizes to the nucleic acid analyte, if present; and
- c) determining whether the oligonucleotide has hybridized to the nucleic acid analyte.
- 442. (Currently Amended) The method of claim 441, wherein that portion of the first base region capable of forming a hybrid with the second base region under nucleic acid assay conditions includes a cluster of at least about 4 ribonucleotides modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.
- 443. (Currently Amended) The method of claim 441, wherein that portion of the first base region capable of forming a hybrid with the second base region under nucleic acid assay conditions includes at least one nucleotide which is not a ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.
- 444. (Currently Amended) The method of claim 441, wherein each nucleotide of that portion of the first base region capable of forming a hybrid with the second base region under nucleic acid assay conditions is a ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.

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- 445. (Withdrawn) The method of claim 441, wherein each nucleotide of the oligonucleotide is a ribonucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety.
- 446. (Withdrawn) The method of claim 441, wherein the oligonucleotide includes a conjugate molecule.
- 447. (Withdrawn) The method of claim 442, wherein the oligonucleotide includes a conjugate molecule joined to the oligonucleotide at a site located within the cluster of the first base region.
- 448. (Currently Amended) The method of claim 441, wherein the oligonucleotide is up to about between 10 and 100 bases in length.
- 449. (Withdrawn) The method of claim 441, wherein the oligonucleotide includes a reporter group.
- 450. (Withdrawn) The method of claim 449, wherein the reporter group comprises a fluorescent molecule.
- 451. (Withdrawn) The method of claim 441, wherein the nucleic acid analyte comprises RNA.
- 452. (Withdrawn) The method of claim 451, wherein the nucleic acid analyte comprises ribosomal RNA.

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- 453. (Withdrawn) The method of claim 441, wherein the oligonucleotide is a hybridization assay probe which forms a detectable hybrid with the nucleic acid analyte.
- 454. (Withdrawn) The method of claim 441, wherein the oligonucleotide is an amplification primer used in an amplification procedure.
- 455. (Withdrawn) The method of claim 454, wherein the amplification procedure is a polymerase chain reaction method of amplification.
- 456. (Withdrawn) The method of claim 454, wherein the amplification procedure is a transcription-based method of amplification.
- 457. (Withdrawn) The method of claim 441, wherein the oligonucleotide is a target capture oligonucleotide.

- 458. (Withdrawn) The method of claim 457, wherein the target capture oligonucleotide is immobilized by a solid support.
- 459. (Withdrawn) The method of claim 441 further comprising the step of quantifying the nucleic acid analyte determined to be present in the sample.
- 460. (Withdrawn) The method of claim 454 further comprising the step of quantifying the nucleic acid analyte determined to be present in the sample.
- 461. (Currently Amended) The method of claim 441, wherein step c) is indicative of the presence or absence of an organism or one or more members of a group of organisms at least one mircoorganism or virus in the sample.

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- 462. (Withdrawn) The method of claim 441 further comprising the step of providing to the sample a nuclease inhibitor other than a polynucleotide modified to include a 2'-O-alkyl substitution to the ribofuranosyl moiety of a ribonucleotide.
- 463. (Withdrawn) The method of claim 441, wherein the 2'-O-alkyl substitution to the ribofuranosyl moiety is a 2'-O-methyl substitution.
- 464. (New) The oligonucleotide of claim 432, wherein a target sequence contained within the nucleic acid analyte includes a double-stranded region.
- 465. (New) The method of claim 451, wherein a target sequence contained within the nucleic acid analyte includes a double-stranded region.